

Message

From: Qian, Yaorong [qian.yaorong@epa.gov]
Sent: 5/26/2021 3:13:59 PM
To: Nguyen, Thuy [Nguyen.Thuy@epa.gov]
Subject: RE: PFAS in Lab Water

Thuy,

We are using the Milli-Q water (equivalent to distilled water) for the leaching tests. The leaching tests are still on-going. We have first couple of sampling periods now.

Yaorong

From: Nguyen, Thuy <Nguyen.Thuy@epa.gov>
Sent: Wednesday, May 26, 2021 10:56 AM
To: Qian, Yaorong <qian.yaorong@epa.gov>
Subject: FW: PFAS in Lab Water

From: Silver, Charles <Charles.Silver@ag.ny.gov>
Sent: Wednesday, May 26, 2021 10:54 AM
To: Nguyen, Thuy <Nguyen.Thuy@epa.gov>
Cc: Nesci, Kimberly <Nesci.Kimberly@epa.gov>; Goodis, Michael <Goodis.Michael@epa.gov>; Messina, Edward <Messina.Edward@epa.gov>
Subject: RE: PFAS in Lab Water

Hi Thuy –

Thank you. Is lab water deionized water? And can you send me the PFAS results from the lab water that was in contact with the walls of a fluorinated HDPE container? Again, thank you.

Stay healthy,

Charlie Silver

Charles Silver, Ph.D.
NYS Office of the Attorney General
Environmental Protection Bureau
NYC Watershed Inspector General Scientist
The Capitol
Albany, NY 12224-0341
direct phone: (518) 776-2395
fax: (518) 650-9363
email: Charles.Silver@ag.ny.gov

From: Nguyen, Thuy <Nguyen.Thuy@epa.gov>
Sent: Wednesday, May 26, 2021 10:20 AM
To: Silver, Charles <Charles.Silver@ag.ny.gov>
Cc: Nesci, Kimberly <Nesci.Kimberly@epa.gov>; Goodis, Michael <Goodis.Michael@epa.gov>; Messina, Edward <Messina.Edward@epa.gov>
Subject: RE: PFAS

Hi Charlie

We have not tested with “drinking” water. But lab water does strip PFAS away from the walls of a fluorinated HDPE container, although at a lower rate than methanol

Regards

Thuy

From: Silver, Charles <Charles.Silver@ag.ny.gov>

Sent: Wednesday, May 26, 2021 9:29 AM

To: Nguyen, Thuy <Nguyen.Thuy@epa.gov>

Cc: Nesci, Kimberly <Nesci.Kimberly@epa.gov>; Goodis, Michael <Goodis.Michael@epa.gov>; Messina, Edward <Messina.Edward@epa.gov>

Subject: RE: PFAS

Good morning Thuy –

Thank you for answering my previous questions concerning PFAS and HDPE. I have a follow up question – does “drinking” water strip PFAS away from the walls of a fluorinated HDPE container? Thank you in advance for your assistance.

Stay healthy,

Charlie Silver

Charles Silver, Ph.D.
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From: Nguyen, Thuy <Nguyen.Thuy@epa.gov>

Sent: Wednesday, March 24, 2021 4:07 PM

To: Silver, Charles <Charles.Silver@ag.ny.gov>

Cc: Nesci, Kimberly <Nesci.Kimberly@epa.gov>; Goodis, Michael <Goodis.Michael@epa.gov>; Messina, Edward <Messina.Edward@epa.gov>

Subject: RE: PFAS

Good afternoon Charlie

Our decision to use methanol was solely based on its chemical properties – methanol is a solvent that is most similar to water and least hydrophobic. If methanol strips PFAS away from the walls of a fluorinated HDPE container, then most of other chemicals will. The decision had nothing to do with how Anvil is formulated, and whether or not Anvil has any ingredient that behaves similar to methanol.

As for other products that are sold in plastic containers, at this point we do not have an answer to your questions. However, we are planning additional testing on containers from different manufacturers and fluorinators, and also on other pesticide products.

Let us know if you need additional information

Thuy

From: Messina, Edward <Messina.Edward@epa.gov>
Sent: Monday, March 22, 2021 10:07 PM
To: Silver, Charles <Charles.Silver@ag.ny.gov>
Cc: Nesci, Kimberly <Nesci.Kimberly@epa.gov>; Nguyen, Thuy <Nguyen.Thuy@epa.gov>; Goodis, Michael <Goodis.Michael@epa.gov>
Subject: RE: PFAS

Glad we could help. CC'ing folks to see if there is any additional information we can provide.

Ed

Ed Messina, Esq.
Acting Office Director
Office of Pesticide Programs
Office of Chemical Safety & Pollution Prevention
U.S. Environmental Protection Agency
Washington, D.C.
p: (703) 347-0209

From: Silver, Charles <Charles.Silver@ag.ny.gov>
Sent: Monday, March 22, 2021 3:27 PM
To: Messina, Edward <Messina.Edward@epa.gov>
Subject: RE: PFAS

Dear Mr. Messina –

Thank you for responding to my voice-mail. The USEPA memorandum dated March 4, 2021 from Thuy Nguyen to Kimberly Nesci answered many of my questions. My follow up questions concern the methanol rinsate and other liquids that behave like it. Your preliminary study appears to indicate that the methanol rinsate is “stripping” PFAS from the interior and exterior surfaces of high-density polyethylene (HDPE) containers. So what ingredients in Anvil 10+10 are behaving like methanol and stripping PFAS from the interior of the HDPE containers?

In addition to Anvil 10+10, there are a number of other pesticides on the market that are sold in plastic containers such as Talstar P (EPA Registration Number 279-3206), Pyronyl Crop Spray (655-489), Hort Oil (98-2), Roundup (93236-1), Sightline (74779-8) and Thiram (264-929). Do ingredients in these pesticides also strip PFAS from HDPE containers? And finally, what about non-pesticide products, such as solvents or beverages, sold in HDPE containers?

Any insight you can provide on this issue would be greatly appreciated. Thank you.

Sincerely,

Charlie Silver

Charles Silver, Ph.D.
NYS Office of the Attorney General
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From: Messina, Edward <Messina.Edward@epa.gov>
Sent: Thursday, March 11, 2021 2:09 PM
To: Silver, Charles <Charles.Silver@ag.ny.gov>
Cc: Nesci, Kimberly <Nesci.Kimberly@epa.gov>; Nguyen, Thuy <Nguyen.Thuy@epa.gov>; Goodis, Michael <Goodis.Michael@epa.gov>
Subject: PFAS

[EXTERNAL]

Charles,

Received your voice-mail. Understand NY has some questions about the potential PFAS contamination issue?

Let me know how we can help,
Ed

Ed Messina, Esq.
Acting Office Director
Office of Pesticide Programs
Office of Chemical Safety & Pollution Prevention
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